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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/694,688	10/28/2003	Jeroen Mattijs Bezemer	05032-00044	3925
	7590 01/10/200 VITCOFF, LTD.	EXAMINER		
28 STATE STR		FAY, ZOHREH A		
28th FLOOR BOSTON, MA 02109-9601			ART UNIT	PAPER NUMBER
•			1618	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		01/10/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	A L' Al N -	A U		
•	Application No.	Applicant(s)		
Office Anti Comment	10/694,688	BEZEMER ET AL.		
Office Action Summary	Examiner	Art Unit		
	Zohreh A. Fay	1618		
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet w	ith the correspondence address		
A SHORTENED STATUTORY PERIOD FOR R WHICHEVER IS LONGER, FROM THE MAILIN - Extensions of time may be available under the provisions of 37 C after SIX (6) MONTHS from the mailing date of this communicatio - If NO period for reply is specified above, the maximum statutory p - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	IG DATE OF THIS COMMUNION FR 1.136(a). In no event, however, may a ron. Period will apply and will expire SIX (6) MON statute, cause the application to become AB	CATION. eply be timely filed ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).		
Status				
1) Responsive to communication(s) filed on	24 October 2006.			
	This action is non-final.			
) Since this application is in condition for allowance except for formal matters, prosecution as to the merits				
closed in accordance with the practice un	•	,		
Disposition of Claims				
4)⊠ Claim(s) <u>1-6 and 8-16</u> is/are pending in th	e application.			
4a) Of the above claim(s) is/are with	• •			
5) Claim(s) is/are allowed.				
6)⊠ Claim(s) <u>1-6 and 8-16</u> is/are rejected.				
7) Claim(s) is/are objected to.				
8) Claim(s) are subject to restriction a	ind/or election requirement.			
Application Papers				
9) The specification is objected to by the Exa	miner.			
10) The drawing(s) filed on is/are: a)		by the Examiner.		
Applicant may not request that any objection to	· · · · ·			
Replacement drawing sheet(s) including the co		···		
11) ☐ The oath or declaration is objected to by the				
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of:	reign priority under 35 U.S.C. §	119(a)-(d) or (f).		
1. ☐ Certified copies of the priority docur	ments have been received.			
2. Certified copies of the priority docur		pplication No		
3. Copies of the certified copies of the				
application from the International Bu	ureau (PCT Rule 17.2(a)).			
* See the attached detailed Office action for a	a list of the certified copies not	received.		
	,			
Attachment(s)	_			
1)		Summary (PTO-413) S)/Mail Date		
 2) Information Disclosure Statement(s) (PTO/SB/08) 		nformal Patent Application		
Paper No(s)/Mail Date	6) 🔲 Other:	<u>_</u> ;		

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Claims 1-6 and 8-16 are presented for examination.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-6 and 8-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Vacanti et al. (U.S. patent 6,348,069) in view of Martin et al. (U.S. Patent 6,162,537).

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Vacanti et al. teach a method of making polymer cell-matrix constructs for implantation into the body. (Abstract, col 3, lines 11-20 and col 12, lines 1-5). Vacanti discloses polymer fiber as implants as scaffold for tissue engineering (col 7, line 22, line 54 and col 8, line 21). Vancanti discloses incorporation of bioactive molecules into the polymer matrix for delivery or release into sites (col 6, lines 14-24 and line 48).

Vacanti e al. do not disclose the specific details of making polymer fibers and does not disclose wet spinning technique.

Martin et al. (patent '537) discloses wet spinning technique as a process for making implantable bio-components fibers (col 4, lines 1-5 and 29-35 and col 10, lines 40-45 and claim 15. Martin discloses that polymer fibers (col 9, lines 12-22) can be combined with active agents during fabrication into medical devices (col 8, lines 15-20 and lines 55-58).

One of ordinary skilled in the art would have been motivated to prepare polymer fibers using wet spinning technique and incorporate therein active agents for implantation into specific tissue sites (Martin et al., col 4, lines 30-35). One of ordinary skill would expect to the beneficial effect of the drug when released into the sites (Martin et al., col 8 line 15 and Vacanti, col 6, lines14-24). Therefore the invention as a whole would have been prima facie obvious to one of ordinary skilled in the art at the time it was made.

Applicant's arguments and remarks have been carefully considered, but are not deemed to be persuasive. Applicant's arguments are drawn to the advantages of incorporation of active agents into fiber using an emulsion technique. The arguments

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are not well taken. The prior art clearly teaches the incorporation of active agents into the fiber in general. Applicant has presented no evidence that incorporation of active agent into fiber by an emulsion technique is advantages in terms of delivering to the tissue site.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zohreh A. Fay whose telephone number is (571) 272-0573. The examiner can normally be reached on Monday to Friday 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Hartley can be reached on (571) 272-0616. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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ZOHREH FAY RIMARY EXAMINER GROUP 1600

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